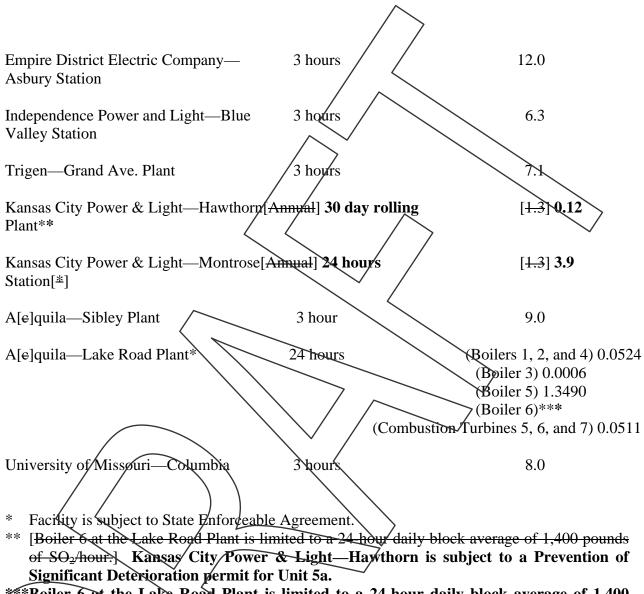


10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds.

- (1) Applicability.
 - (A) This rule applies to any installation that is an emission source of sulfur compounds, except—
 - 1. Emission sources subject to an applicable sulfur compound emission limit under 10 CSR 10-6.070; or
 - 2. Combustion equipment that uses exclusively pipeline grade natural gas as defined in 40 CFR 72.2. or liquefied petroleum gas as defined by American Society for Testing and Materials (ASTM), or any combination of these fuels.
 - (B) Subsection (3)(A) of this rule shall apply to all sulfur compound emissions except—
 - 1. Indirect heating sources; or
 - 2. Existing lead smelting and/or refining sources.
 - (C) Subsection (3)(B) of this rule restricts sulfur dioxide (SO₂) concentrations in the ambient air.
 - (D) Subsection (3)(C) of this rule restricts sulfur dioxide emissions from indirect heating sources greater than three hundred fifty thousand British thermal units (350,000 Btus) per hour actual heat input.
 - (E) Subsection (3)(D) of this rule shall apply to sulfur compound emissions from existing lead smelting and/or refining sources or related activities.
- (2) Definitions. Definitions of certain terms specified in this rule may be found in 10 CSR 10-6.020.
- (3) General Provisions.
 - (A) Restriction of Concentration of Sulfur Compounds in Emissions.
 - Existing sources. No person shall cause or permit the emission into the atmosphere gases containing more than two thousand parts per million by volume (2000 ppmv) of sulfur dioxide or more than seventy milligrams per cubic meter (70 mg/cubic meter) of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three (3)-hour time period.
 - New sources. No person shall cause or permit the emission into the atmosphere gases containing more than five hundred parts per million by volume (500 ppmx) of sulfur dioxide or more than thirty-five milligrams per cubic meter (35 mg/cubic meter) of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three (3)-hour time period.
 - Compliance with subsection (3)(A) of this rule shall be determined by source testing as specified in subsection (5)(A) of this rule.
 - 4. Qther methods approved by the staff director in advance may be used.

- (B) Restriction of Concentration of Sulfur Compounds in the Ambient Air. In addition to the limitations specified in subsections (3)(A), (3)(C) and (3)(D) of this rule, no person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards. Except as may be specified elsewhere in this rule, the methods for measuring ambient sulfur compound concentrations are specified in 10 CSR 10-6.040.
- (C) Restriction of Emission of Sulfur Dioxide from Indirect Heating Sources.
 - 1. Subsection (3)(C) of this rule applies to installations in which fuel is burned for the primary purpose of producing steam, hot water or hot air or other indirect heating of liquids, gases or solids and in the course of doing so the products of combustion do not come into direct contact with process materials. When any products or by-products of a manufacturing process are burned for the same purpose or in conjunction with any fuel, the same maximum emission limitations shall apply.
 - 2. Indirect heating sources located in Missouri, other than in Franklin, Jefferson, St. Louis, St. Charles Counties or City of St. Louis.
 - A. No person shall cause or allow emissions of sulfur dioxide into the atmosphere from any indirect heating source in excess of eight pounds (8 lbs.) of sulfur dioxide per million Btus actual heat input averaged on any consecutive three (3)-hour time period unless that source is listed in Table I or subject to a provision of 10 CSR 10-6.070 New Source Performance Regulations with an applicable sulfur compound emission limit.
 - The following existing indirect heating sources listed in Table I shall limit their average sulfur emissions into the atmosphere to the allowable amount of sulfur dioxide per million Btus of actual heat input averaged on any consecutive three (3)-hour basis.

Facility	Table 1 Averaging Time	Emission Rate per unit (Pounds Sulfur Dioxide Per Million BTUs)
Associated Electric Cooperative—New Madrid	3 hours	10.0
Associated Electric Cooperative— Thomas Hill	3 hours	8.0
Central Electric Power Cooperative— Chamois	3 hours	6.7
City Utilities—James River Plant*	24 hours	(Units 1–4) 1.5 (Unit 5) 2.0



*Boiler 6 at the Lake Road Plant is limited to a 24-hour daily block average of 1,400

pounds of SO₂/hour.

- Compliance with paragraph (3)(C)2. of this rule shall be determined by source testing as specified in subsection (5)(B) of this rule.
- D. Other\methods approved by the staff director in advance may be used.
- E. Owners or operators of sources and installations subject to paragraph (3)(C)2. of this rule shall furnish the director such data as s/he may reasonably require to determine whether compliance is being met.
- Indirect/heating sources located in Franklin, Jefferson, St. Louis, St. 3. Charles Counties or City of St. Louis.
 - Restrictions applicable to installations with a capacity of two thousand (2,000) million or more Btus per hour.

(I) No person shall cause of permit the emission of sulfur dioxide to the atmosphere from any installation with a capacity of two thousand (2,000) million or more Btus per hour in an amount greater than two and three-tenths pounds (2.3 lbs.) of sulfur dioxide per million Btus of actual heat input averaged on any consecutive three (3)-hour time period unless that source is listed in part (3)(C)3.A.(II) of this rule or is subject to a provision of 10 CSR 10-6.070 New Source Performance Regulations with an applicable sulfur compound emission limit.

(II) The following existing installations shall limit their sulfur dioxide emissions into the atmosphere from the combustion of any fuels to the allowable amount of sulfur dioxide per

million Btus of actual heat input listed:

~ /	Emission
	Rate per unit*
	(Pounds Sulfur
	Dioxide Per
Facility	Million BTUs)
AmerenUE—Labadie Plant	4.8
Ameren UE	•
Portage des Sioux Plant	4.8

*Daily average, 00:01 to 24:00

(III)

Owners or operators of sources and installations subject to paragraph (3)(C)3. of this rule shall furnish the director such data as s/he may reasonably require to determine whether compliance is being met.

Each source subject to limitations under subparagraph (3)(C)3.A. of this rule may emit sulfur dioxide at a rate not to exceed the allowable emission rate by more than twenty percent (20%) for not more than three (3) days in any one (1) month.

Compliance with part (3)(C)3.A.(II) of this rule shall be demonstrated by sulfur dioxide and either carbon dioxide or oxygen continuous monitoring devices, which devices, within ninety (90) days of the date part (3)(C)3.A.(II) of this rule becomes effective (July 12, 1979) as to any source or before January 1, 1982, in the case of Ameren UE Company's Labadie Plant, shall be certified by the owner or operator to be installed and operational in accordance with Performance Specifications 2 and 3, 40 CFR part 60, Appendix B. The devices shall also be operated and maintained in accordance with the procedures and standards set out at 40 CFR 60.13(d) and (e)(2).

(VI) Reports shall be as specified in section (4) of this rule.

B. Restrictions applicable to installations with a capacity of less than two thousand (2,000) million Btus per hour.

(I) During the months of October, November, December, January, February and March of every year, no person shall burn or permit the burning of any coal containing more than two percent (2%) sulfur or of any fuel oil containing more than two percent (2%) sulfur in any installation having a capacity of less than two thousand (2,000) million Btus per hour. Otherwise, no person shall burn or permit the burning of any coal or fuel oil containing more than four percent (4%) sulfur in any installation having a capacity of less than two thousand (2,000) million Btus per hour.

Part (3)(C)3.B.(I) of this rule shall not apply to any installation if it can be shown that emissions of sulfur dioxide from the installation into the atmosphere will not exceed two and three-tenths (2.3) pounds per million Btus of heat input to the installation.

(III) Owners or operators of sources and installations subject to this section shall furnish the director such data as s/he may reasonably require to determine whether compliance is being met.

Compliance with paragraph (3)(C)3. of this rule shall be determined by source testing as specified in subsection (5)(B) of this rule.

Other methods approved by the staff director in advance may be

(D) Emission of Sulfur Dioxide from Existing Lead Smelters and Refineries.

C.

1. Each of the following existing installations listed in Table II engaged in smelting and/or refining lead shall limit its sulfur dioxide emissions from the sources or stacks, as described, to the amount of sulfur dioxide set forth here.

forth here.			
	Table II		
		Emission	
	Averaging	Limitation	
Facility /	/ Time	(Pounds SO ₂ /Hr)	
Doe Run Company, Lead	1 hour test		
Smelter and Refinery—	repeated 3 times		
Glover, Missouri			
Two stacks:			
Sinter machine off-gas stack		20,000	
Blast furnace baghouse stack		1,056	

Doe Run Company,	
Boss, Missouri	repeated 3 times / 8,650
Dog Dyn Compony	Herculaneum 1 hour test
Doe Run Company, Smelter—Herculane	
Silicites—Hereulane	zum, missouri repeated 5 times 22,000
2.	Compliance with paragraph (3)(D)1. of this rule shall be determined by
	source testing as specified in subsection (5)(B) of this rule except that the
	source testing shall consist of averaging three (3) separate one (1)-hour
	tests using the applicable testing method.
3.	Secondary lead smelting installations shall install calibrate, maintain and
	operate an SO ₂ continuous emission monitoring system, for the purpose of
	demonstrating compliance status, relative to subsection (3)(A) of this rule. A. Certification.
	(I) The continuous emission monitoring systems shall be
	certified by the owner or operator in accordance with 40
	CER part 60 Appendix B, Performance Specification 2 and
	Section 60.13 as is pertinent to SO ₂ continuous monitors as
	adopted by reference in 10 CSR 10-6.070
	(II) The span of the SO continuous monitor shall be set at an
	SO_2 concentration of one-fifth percent (\emptyset .20%) by volume.
	(III) For the purpose of the SO ₂ continuous monitor performance evaluation, the reference method referred to
	under the Field Test for Accuracy in Performance
	Specification 2 shall be Reference Method 6, 10 CSR 10-
	6.030(6). For this method, the minimum sampling time is
	twenty (20) minutes and the minimum volume is 0.02 dry
	standard cubic meter (dscrift) for each sample. Samples are
_	taken at sixty (60)-minute intervals and each sample
	represents a one (1)-hour average. B. Reports shall be as specified in section (4) of this rule.
4.	Owners or operators of sources and installations subject to this section
	shall furnish the director such data as s/he may reasonably require to
	determine whether compliance is being met.
	nd Record Keeping.
	owner or operator of each source subject to subparagraph (3)(C)3.A. and
	exaph (3)(D)3. of this rule shall submit a written report of excess emissions ach calendar quarter to the director within thirty (30) days following the end
	e quarter. Each report shall:
1.	Contain the magnitude of sulfur dioxide emissions as follows:
	A. For sources subject to subparagraph (3)(C)3.A. of this rule, the
	magnitude shall be reported in pounds per million Btus of all daily
	(00:01 to 24:00) averages of sulfur dioxide emissions greater than
	the emission rate allowed by part (3)(C)3.A.(II) of this rule; and

- B. For sources subject to paragraph (3)(D)3. of this rule, the magnitude shall be reported in parts per million of each two (2)-hour arithmetic average of sulfur dioxide emissions greater than the emission rate allowed by subsection (3)(A) of this rule;
- 2. Identify each period during which the continuous monitoring system was inoperative, except for zero and span checks and the nature of repairs and adjustments performed to make the system operative; and
- 3. Contain a statement that no excess emissions occurred during the quarter, except as reported or during periods when the continuous monitoring system was inoperative. Data reduction and conversion procedures shall conform to the provisions of 40 CFR 60.13(h) and 60.45(e) and (f):
- (B) Each owner or operator required to file quarterly reports under this section and, for a minimum of two (2) years from the date of the quarterly report, shall maintain a file of the following.
 - 1. All information reported in the quarterly reports;
 - 2. All other data collected by the continuous monitoring system or necessary to convert the monitoring data to the units of the applicable emission limitation:
 - 3. All continuous monitoring system performance evaluations;
 - 4. All continuous monitoring system or monitoring device calibration checks;
 - 5. Monitoring system, monitoring device and performance testing measurements; and
- 6. Adjustments and maintenance performed on these systems or devices; and (C) Files shall be kept available for inspection by the director during regular business hours.
- (5) Test Methods.
 - (A) Source testing to determine compliance with sulfur dioxide emission limits shall be done as specified in 10 CSR 10-6.030(6) of by an alternate method described in 40 CFR 60 Appendix A. Source testing to determine compliance with sulfur trioxide and/or sulfuric acid mist emission limits concurrently with sulfur dioxide compliance shall be done as specified in 10 CSR 10-6.030(8).
 - (B) The heating value of the fuel shall be determined as specified in 10 CSR 10-6.040(2). Source testing to determine compliance shall be done as specified in 10 CSR 10-6.030(6). The actual heat input shall be determined by multiplying the heating value of the fuel by the amount of fuel burned during the source test period.